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BADGER STATE

SMOKE SIGNALS

Published since 1969 ● Our 37th Year
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2006 WISCONSIN QSO PARTY

Lynn Tamblyn, K9KR
Chairman WIQP for WARAC

Band conditions. Bad weather. Exciting year. High level of activity. Lower scores. No new records. Electronic logs better and worse.

BAND CONDITIONS

John, our Wisconsin single operator winner says it this way - " more difficult conditions this year, with 40 going so long so fast, and then 80 much the same. The last hour was awful with only 45 Qs compared to our other 6 hours averaging about 90. Maybe, just maybe, however, the conditions might lend themselves to allowing a northern mobile to rise above the handicap of traveling in fewer and larger counties. By carefully planning the location of the start, the finish, and a couple of side trips, we managed to hit 17 counties - up from 11 last year. Exceptional driving and navigation by W0TVD made this possible. A snowplow had taken out the Douglas County sign, so we missed it, and only made 10 Qs in that, our last county - missing the bonus ". Pete, our out-of-state single operator winner says it this way - "totals slightly down this year over last, but I learned my lesson and emphasized CW over phone." Other station comments described it differently - Harry, PA3ARM, from the Netherlands, says he had to give up early this year due to very weak signals, while Vollie, W4TDB (TN), says 40 meters was rocking - Joe, W3AG (PA) said his QRP signal was heard by all, even on 40 SSB, while Anthony, N3GE (Washington DC) thought signals to the mid Atlantic region were very poor - Loyd, VE7FCO (BC) thought band conditions were poor, while Ron, N9AU (Milwaukee, WI) worked many out of state stations on multiple bands - Bruce, AA9RN (Sheboygan, WI) thought he was talking to himself most of the afternoon, Keith, KS9WI (DePere, WI) thought propagation was lousy, while Jim, K0HW (SD) mentioned great conditions from his QTH on 40 phone while not being able to be heard on 20 phone or CW. Band conditions played a part in our March 12, 2006 WIQP.

BAD WEATHER

Mark, WA0MHJ, operating under the Minnesota Wireless Association club sign W0AA, who came from Ham Lake, MN, to Wisconsin to operate, was happy that the nasty weather kept to the south for a change, while Paul, K9OT, (Shullsburg, WI), in the SW corner of Wisconsin, said he had to disconnect very early due to a

(Continued on page 9)

Check us out on the web at http://www.bsss.org

Don Michalski, W9IXG
Re-elected SM

ARRL Bulletin 9 ARLB009
From ARRL Headquarters
Newington CT May 24, 2006
To all radio amateurs

ARLB009 Section Manager Election Results

The votes are in, and three ARRL sections will have new Section Managers starting in July. Ballots were counted May 23 at ARRL Headquarters in four contested races. Incumbent SMs in four other sections were re-elected without opposition.

In the Illinois Section, Thomas Ciciora, KA9QPN, topped Ronald Morgan, KB9NW, 902 to 726 to succeed incumbent Sharon Harlan, N9SH, who did not run for another term. Ciciora, who resides in the Lake Holiday community near Sandwich, has been a radio amateur for nearly 25 years and is a veteran emergency management professional.

In the Northern Florida Section, incumbent SM Rudy Hubbard, WA4PUP, won another new term, outpolling challenger Dale Sewell, N4SGQ, 630 to 541. A resident of Milton, Hubbard, who's been SM since 1990, cited the administration of the State of Florida Tracker System to manage and deploy ham radio volunteers for the 2004 and 2005 hurricanes among the accomplishments of his current term.

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WHAT'S HAPPENING

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Edited by Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage WI 53901 — kenneth.ebneter@verizon.net

Swapfests
And Other Social Events

August 5, 2006, Quincy, IL Eagles' Alps, 3737 North 5th Street Western Illinois ARC. http://www.w9awe.org Talk-In: 147.030 + 600 (PL 103.5). Contact: Michael Nowack, NA9Q, 2011 North Sheridan Drive, Quincy, IL 62305, Phone: 217-224-8526. Email: mnowack@adams.net

August 6, 2006. Bolingbrook Amateur Radio society's 21st annual Hamfest. Bolingbrook High School, 365 Raider Way, Bolingbrook, IL. (enter door #17). Contact: BaARS Hamfest Chairman, Tom Ballard, N9LJY at 630-739-3740.

August 12, 2006 Circus City Swapfest, Sauk County Fairgrounds, Baraboo, WI. Contact: Steve Schultze, W9UDO, (608) 356-2313 or Bill Klinkner, N9KXX, (608) 643-6908/643-6453 www.yellowthunder.org

August 26-27, 2006, Radio Expo 2006. Chicago FM Club, Lake County Fairgrounds, Rte's 45 & 120, Grayslake, IL. **Talk-In:** 146.760 (PL 107.2) **Contact:** Mike Brost, WA9FTS, 5127 North Monterey Avenue, Norridge, IL 60706, Phone: 708-457-0966, Fax: 708-457-0966, Email: mbrost@cin.net,

September 09, 2006, Galesville, WI. Riverland ARC swapfest. Trempealeau County Fairgrounds, Galesville, WI. **Contact:** Tom Peterson, KC9ECI, 20525 West Gale Avenue, Galesville, WI 54630. Phone: 608-582-4578. Email: tom@galesvillefiredepartment.org. http://www.lacrossehams.org/galeswap.html **Talk-In:** 146.97 - no tone 146.520 simplex

September 09, 2006. Ham & Hobby Swapfest. The Ozaukee Radio Club presents it Amateur Radio, Electronics, Computer, Tools, Model Aircraft, Railroad, Astronomy, etc. Swapfest at the Cedarburg Circle B Recreation Center Parking lot @ State Highway 60 and Ozaukee County Highway I. Sell from your vehicle, no tables to rent. Admission $5.00 at gate. Go to www.ozaukeeradioclub.org for information.

September 10, 2006, Swapfest, sponsored by SEWFARS **CANCELLED**

September 15-16 2006, W9DXCC Convention, Northern Illinois DX Association. Holiday Inn, 1000 Busse Road, Elk Grove Village, IL **Talk-In:** 147.36. **Contact:** Bill Smith, W9VA, 1345 Linden Avenue, Deerfield, IL 60015, Phone: 847-945-1564, Fax: 847-945-6554, Email: w9va@aol.com or http://www.w9dxcc.com

September 16-17, 2006. Peoria Superfest, Exposition Gardens Fairgrounds, 1601 W Northmoor Rd, off N. University, Peoria, IL. Contact: Peoria Superfest, PO Box 3508 Peoria, IL 61612-3508. (309) 692-2378. e-mail: w9uvi@arrl.net. http://www.peoriasuperfest.com.

October, 8 2006, Crown Point, IN, Lake County Fairgrounds, 889 South Court Street. Lake County ARC http://www.qsl.net/w9lj/ Talk-In: 147.600 MHz input/147.000 MHz output (PL 131.8); 146.52 simplex. Contact: Rich Gilles, KA9SVS, 156 South Ridge Street, Crown Point, IN 46307-4179, Phone: 219-662-0594, Email: paris156@yahoo.com

November 5, 2006. Waverly Beach, Menasha, WI. 21st Annual Fox Cities ARC (W9ZL) Swapfest.

Same location this year at Waverly Beach, N8770 Fire Lane 1 in Menasha, a great location central to Appleton and the other 14 communities along the Fox River. This is an all inclusive event for enthusiasts of ham radio, computers, technical fields and scientific pursuits. This swapfest is growing bigger every year. Come be a part of the fun and meet some friends.

On site V.E. Testing, walk-ins ok by 9 a.m. Raffle and door prizes. Last year one mobile and two HTs were the grand prizes. Expect great prizes again this year. Talk in on FCARC wide area repeater - 146.76 -pl 100. Setup for commercial vendors is on Saturday, call for a setup appointment. All other table setup starts Sunday at 6 a.m. General admission starts at 8 a.m. Food and Refreshments. Early morning coffee and donut sale.

The Swapfest is in the huge annex adjoining the Waverly Beach full service Sports Bar and Restaurant with the awesome view of Lake Winnebago. Reserve spaces and order tickets by email or mail. Advance purchase swap tables are $10. Advance individual admission and one raffle ticket is $5.00. Advance family admission (Husband, Wife, and all Kids) is $12.00.

Check our web site for registration forms, flyers you and print to give to friends, and directions and maps. http://www.w9zl.org or email n9rjz@tponet.com (John) or call 920-729-0797. W9ZL 2006 Swapfest, 163 Main Street, Menasha, WI 54952.

November 18-19, 2006, Indiana State Convention (Fort Wayne Hamfest & Computer Expo) Fort Wayne, IN. Allen County War Memorial Coliseum, 4000 Parnell Avenue. Allen County Amateur Radio Technical Society http://www.fortwaynehamfest.comTalk-In: 146.88 (-) Contact: James D. Boyer, KB9IH, 3031 Wilderness Road, Fort Wayne, IN 46845. Phone: 260-489-6700. Email: kb9ih@arrl.net

January 6, 2007, Waukesha, WI. 34th Annual Midwinter Swapfest, sponsored by the West Allis RAC. Waukesha County Expo Center Forum, Waukesha, WI. For information contact: www.warac.org, WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201, or Phil, W9NAW, (414) 425-3649 GPS coordinates: Latitude 43.03227, Longitude -88.23948

April 21, 2007, Madison Area Repeater Association Swapfest, Stoughton, WI. Mandt Community Center 400 Mandt Parkway, Stoughton, WI. Inquiries can be directed to: w9hsy@execpc.com or write to MARA, PO Box 8890, Madison, WI 53708-8890, Tele:608.245.8890 For more information see the MARA website www.qsl.net/mara.

Further information about hamfests in the area can be found at bsss.org or at http://www.arrl.org/hamfests.html If your organization is sponsoring a Hamfest/Swapfest and would like us to list your event, please send the information to Ken Ebneter, K9EN at the address on page 2 or to k9en@arrl.net

Badger State Smoke Signals

Amateur Radio Education and Information

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EDITORIAL BOARD: Ken Ebneter, K9EN; Don Evenson, K9JYX.

Subscription Rate

1 year (6 issues—bi-monthly)$13.95

A subscription form is in this issue. Special club package reduced rates are available. For information, contact Ken Ebneter, K9EN.

When to Send It

The closing date for each issue is the first of the month before the issue date. For example, the closing date for the May issue is April 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebneter.

Editorial material, photographs, and feature articles should be sent to Ken Ebneter, K9EN.

Web page material should be sent to n9qa@arrl.net (Dave Knaus, N9QA).

Inquiries about advertising should be directed to Ken Ebneter.

Club, swapfest, and Test Point information should be sent to Ken Ebneter.

Swapfest ADS should be sent to Ken Ebneter, K9EN no later than eight weeks before the events date.

Subscriptions should be sent, with check or money order, to Ken Ebneter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

CLUB MEETINGS

Appleton
FOX CITIES AMATEUR RADIO CLUB Meetings: Third Mondays, 7:00PM., Goodwill Community Center, 1800 S. Appleton Road, Menasha, WI. Information: Brian Long KB9LRD fcarc@w9zl.org Website: http://www.fcarc.us

Baraboo
BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: http://www.shopstop.net/BATS/

Baraboo
YELLOW THUNDER AMATEUR RADIO CLUB Meetings: See the YTARC column elsewhere in this issue for meeting times and locations. For further information: http://www.qsl.net/ytarc.

Dubuque, IA
GREAT RIVER AMATEUR RADIO CLUB Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: http://www.qsl.net/wb0lob/. Information or questions to: N0hdc@aol.com.

Eau Claire
EAU CLAIRE AMATEUR RADIO CLUB Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone (715) 838-9108, Email kg9ra@ecarc.org. Web page: http://www.ecarc.org

Fond du Lac
FOND DU LAC AMATEUR RADIO CLUB Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: kg9in@fdlhams.org Web: http://www.fdlhams.org.

Fort Atkinson
TRI-COUNTY AMATEUR RADIO CLUB second Thursday monthly except June to August, 7 p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton
Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin www.qsl.net/orc/.

Green Bay
GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at kb9sne@yahoo.com.

Green Lake
GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Houghton, MI area:
The CCRAA is the "Copper Country Radio Amateur Association" and they hold meetings the first Tuesday of each month at the Dollar Bay Fire Hall. Summer meetings (June, July, August, and September) are held at the CCRAA Clubhouse in Osceola (2 mi. S. of Calumet, MI)

Hudson
St. CROIX VALLEY RADIO AMATEURS Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau
ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7278 KHZ, Alternate in 3.947 at 10:00 AM. & Wednesday, 1908 KHZ 8:00 PM, Wintertime.

Madison
SPACE PLACE AMATEUR RADIO CENTER No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: n9uw@sal.wisc.edu.

Madison
BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: w9ixg@arrl.org. Web: http://www.qsl.net/w9yt.

Madison
Madison DX Club, meetings are on every fourth Tuesday of each month; see http://madisondxclub for more details.

Madison
FOUR LAKES AMATEUR RADIO CLUB Meetings: Third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc
MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) For Additional information please see our club web-site www.qsl.net/w9dk or contact Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: w6bsf@arrl.net.

Marinette WI
Menominee MI
Amateur Radio Club Meetings held second Thursday 7:00PM each month BAMC Tenth Avenue Menominee Michigan in the basement. Guests welcome e-mail secretary kg9ad@arrl.net

Medford
Black River Amateur Radio Association Meetings: Normally the first Thursday of each month. Usual meeting time is 7 PM. Most meetings are held at the Taylor County Courthouse. Directions: Those attending should park in the main courthouse parking lot on the east side of the building, and enter using the main courthouse entrance or the sheriff's dept. entrance. Proceed to the lower level of the courthouse using the stairs or elevator. We meet in the "break room" on the lower level, near the Emergency Government office. Talk-in on the 147.15 repeater (114.8 Hz PL, +600 kHz offset) and 146.52 MHz simplex. Contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls
FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie WI
Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

Milwaukee
GREATER MILWAUKEE DX ASSOCIATION Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: garyk9gs@arrl.net.

Milwaukee
MILWAUKEE RADIO AMATEURS CLUB Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: http://www.qsl.net/mrac . Email: w9rh@arrl.net.

Monomonie
RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomonie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area
NORTHEAST WISCONSIN DX ASSOCIATION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check http://home.new.rr.com/newdxa/. Contact us at w9dxa@arrl.net.

Oak Creek
SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion Post #434, Shepard Ave., Oak Creek, WI. In March and October the meetings are turned into Auction Nights.. The club WEB site is ww.qsl.net/wa9txe

Onalaska
RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, Seven Bridges Restaurant, 910 2nd Ave N (hwy 35), Onalaska. We meet for dinner at 6:00 PM and start the meeting at 7:00 PM. More information: http://www.qsl.net/wr9arc/. Email: wr9arc@qsl.net.

QCWA Chapter 162
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. mailto:rryokes@execpc.com.

Racine
LAKESHORE REPEATER ASSOCIATION Meetings: Last Tuesday, January, April, July, October. American Red Cross Building, 4521 Taylor Ave., Racine, WI.

Racine
RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., American Red Cross Building, 4521 Taylor Ave., Racine, WI.

Rhinelander
NORTHWOODS AMATEUR RADIO CLUB Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. http://www.freeyellow.com/members7/nwarc.

Sheboygan
SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake
Northland ARC meetings are held the first Saturday of each month after breakfast. Location: Schmitz's Economart Deli. Located on US Hwy.63 on the south end of Spooner. The meeting will start at approx. 8:00 AM. Breakfast usually starts by 7:30 AM. Come and see what we're about. Anyone, even if you're licensed or not and has an interest in ham radio is welcome

(Continued on page 7)

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 ● Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	LOCAL	Manager
BWN	YES	3985	1100	0600	W9IXG
BEN	YES	3985	1700	1200	KE9VU
WSBN	YES	3985	2215	1715	K9FHI
WNN	YES	3723	2300	1800	KB9ROB
WSSN	YES	3645	2330	1830	N9JIY
WIN/E	YES	3662	0000	1900	WB9ICH
WIN/L	YES	3662	0300	2200	W9UW
RCRA	NO	01/61	0030	1930	KA9OMC
	(Mondays CDT— Menomonie Area)				
Green Bay Area	NO	72/12	0245	2145	WB9NRK
ARES	NO	4.65/5.25	0200	2100	
	(South East/South Central Wisconsin)				
ARES/RACES (WRACES)	NO	3997.5	2300	1800	N9VAO
	(Sundays)				

Wisconsin Section STM Report

Wisconsin Section
STM Report

May 2006

FAQ # 56 Anything special about Field Day traffic I should know? There are two good ways to earn bonus points with traffic on Field Day. Rule 7.3.5. allows for 100 bonus points for originating a message to the Section Manger (W9IXG) or Section Emergency Coordinator (KB9ENO). The message should be in National Traffic System (NTS) style. It should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a fully serviced copy of it, in standard ARRL NTS format, must be included in your submission,.

Not only that! If your FD station handles a FD message during the event, you can add 10 bonus point for each message you relay up to 100 points. That means handling a message is equal to working ten more stations! Copies of those messages should be included with your log as well.

Obviously, trained traffic handlers will do this more easily, but it could be an excellent learning opportunity - especially for newer Hams.

I hope to hear lots of traffic being handled on Field Day. After all, one of the main objects is to operate in abnormal situations in less than optimal conditions with an emphasis on developing skills to meet the challenges of emergency preparedness. 73 – K9LGU/ STM - WI

June 2006

FAQ # 57 What can we learn from public service events? Every foot race, charity walk, bike ride, weather event, or county fair to which Hams give communications support yields a lot of valuable experience. A two-meter net teaches net discipline. It's a practice field for concentrated listening. It's a low-risk occasion for new net control stations. It can include chances for relays, use of break tags, careful but quick decisions, and especially the use of concise wording.

True, we enjoy communicating. That's why we're Hams. We like to converse about almost any topic. There's even a Rag Chewer's Club. But when nets are in session to perform their main function, it's not a time for visiting. Short, meaningful transmissions are the order of the day.

Use every occasion to volunteer and encourage others to as well. It will sharpen your operating skills.

Public service events also allow us to interact with non-Hams, to demonstrate what we do and how much fun it is. These events are good for us, good for the served agency, and good for the hobby.

73 – K9LGU/STM-WI

Check us out on the web at http://www.bsss.org

WISCONSIN SECTION

MONTHLY NET ACTIVITY SUMMARY
May 2006

NET	QNI	QTC	QTR	SSNS	NM
BWN	2009	2529	5165	31	W9IXG
BEN	500	24	840	30	KE9VU
WSBN	712	68	1100	31	K9FHI
WNN	150	14	264	24	KB9ROB
WSSN	157	20	299	28	N9JIY
WIN/E	136	27	272	30	WB9ICH
WIN/L	149	38	301	31	W9UW
WRACES	84	1	159	4	N9VAO
TOTALS	3897	2721	8400	209	

MONTHLY NET ACTIVITY SUMMARY
June 2006

NET	QNI	QTC	QTR	SSNS	NM
BWN	1986	2527	4657	30	W9IXG
BEN	512	27	913	30	KE9VU
WSBN	703	71	994	29	K9FHI
WNN	102	9	178	19	KB9ROB
WSSN	137	18	281	28	N9JIY
WIN/E	139	16	231	29	WB9ICH
WIN/L	140	25	285	30	W9UW
WRACES	77	2	169	4	N9VAO
TOTALS	3796	2695	7708	199	

STATION ACTIVITY SUMMARY
May 2006

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
KA9EKG –APR.	43	610	546	26	1225 –BPL
KB9KEG – APR.	32	261	32	261	586 -BPL
KA9EKG	49	648	570	32	1299 - BPL
WZ9I	34	449	483	2	968 - BPL
KB9KEG	0	202	31	202	435 - BPL*
K9LGU	0	40	34	1	75
AG9G	0	12	55	0	67
K9FHI	0	22	24	0	46
KE9VU	0	28	13	1	42
W9BHL	0	4	35	0	39
W9KKM	0	0	38	0	38
W9RTP	8	9	16	1	34
W9UW	0	23	8	2	33
K9GU	0	0	31	0	31
KG9B	0	0	30	0	30
KB9ROB0	19	5	3	27	
AA9BB	0	0	24	20	24
K9JPS	0	0	23	0	23
KN9P	0	11	11	0	22
W9RSX	0	3	18	0	21
WD9FLJ	6	2	6	2	16
WB9ICH	0	10	3	0	13
N9UAR	5	0	5	0	10
K9UTQ	0	0	3	0	3
W9PVD	0	1	0	0	1

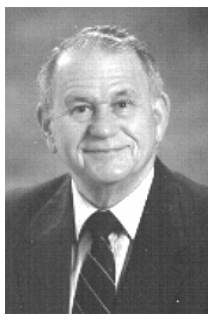
STATION ACTIVITY SUMMARY
June 2006

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
KA9EKG	42	629	528	3	1202 - BPL
WZ9I	17	413	17	413	860 - BPL
KB9KEG	30	417	54	329	830 - BPL
K9LGU	0	53	31	9	93
AG9G	0	19	60	0	79
W9BHL/VE3	0	16	46	0	62
K9FHI	0	24	26	0	50

(Continued on page 6)

The Computer Corner

by Stan Kaplan, WB9RQR
715 N. Dries Street
Saukville, WI 53080-1664
(262) 268-1949
skaplan@mcw.edu



No. 131. USB

USB stands for Universal Serial Bus, and is a darned neat thing. Virtually every PC sold today has four or more USB ports built into the motherboard (though not all machines have four external ports), so it is more or less a standard in the industry. This external connection to the PC was designed so that a device plugged into it could be recognized and treated as a Plug and Play device. You no longer need special ports or special I/O (input/output) cards with devices that are designed for USB. Just plug in the device while the machine is running and it is recognized. Oh yes, you may need to install drivers so the computer can interact with it, but it will be recognized immediately without the need to reboot or do a special setup. USB is therefore said to be "hot-swappable", which means you can plug a device in while the computer is running. However, with at least some devices, you need to tell the OS (Operating System) when you are going to unplug it.

Another advantage to USB is that up to 127 devices may be connected to a single bus, and it takes only a single IRQ (Interrupt Request line). Of course, if you plug 127 devices in, things will slow down somewhat since they all share the same bandwidth.

USB uses only four wires. You can't ordinarily see the wires inside a USB cable, but if you could, a red wire supplies bus power. White is data minus, green is data plus, and black is ground. I suppose you could consider the shielding on the cable as a fifth wire, but it acts only as a drain and carries no signals or power. Simple enough.

USB carries data (on the green and white wires) in a serial fashion, as the name implies. The data goes down the wire much like a single-file line of people moving into a movie theater. This is different from a parallel cable, such as used by many printers. In a parallel cable there are typically 8 data wires, and the line at the movie theater is 8 people wide, moving into the lobby shoulder to shoulder. Hence the name parallel. Sure, you can move data faster with a parallel setup (8 people reach the lobby door at a time, whereas with serial, only one reaches the lobby door). But parallel architecture suffers from skew and jitter, sort of like the 8 people who are shoulder to shoulder bumping into each other. This results in some of the 8 reaching the lobby door very slightly sooner or later than others, which certainly matters if you try to increase the speed (asking people to run instead of walk). The faster the data, the more a person is likely to be out of kilter with the other 7. Not a problem with serial data, since only one person reaches the door at a time. If you ask everyone to run, it is not likely to mess up the data that reaches the lobby. The whole point is that it is easier to increase the speed of serial data, and more difficult with parallel. Serial cables are smaller, too (fewer wires) and less expensive. Also, with only two data wires in serial (data plus and data minus), there is less chance of crosstalk – bleeding of the data from one wire into another. The chance is four times as great in a parallel cable, with 8 data wires.

USB moves data pretty quickly. If you have an older computer with USB 1.1, data can be moved over the cable at 1.5 megabytes per second. The newer USB 2.0 ("High Speed USB") can move data up to 60 megabytes per second, which works out to nearly 30 times the rate of an old printer (parallel) port. For example, the Windows 2000 Professional installation files (4,010 files, 204 MB) would take about 3.4 seconds to transfer from one place to another over USB 2.0. That's moving!

There is another even faster port – FireWire (also called IEEE 1394 or i.Link). The latest version moves data at about 100 megabytes per second (compared to 60 for USB). However, Intel largely developed USB and has put USB support in all its chipsets since 1996. Few motherboard chipsets include FireWire, so it has to be added at extra cost, plus a royalty per machine to Apple Computer, the developer. Therefore, FireWire is not nearly as popular as USB. But it does have a market, particularly in video (camcorders and the like). Another advantage of FireWire was that you could connect two peripherals together without a PC in between. Thus, you could connect two compliant cameras together and transfer pictures between them, without any intervening PC. However, at the end of 2001, the new USB On-The-Go standard was released which permitted this for USB as well.

If you have one or more older peripherals that you want to use with the USB ports on your newfangled computer, there are adapters. Some look just like cables, but they may well have electronics built into the connectors on one or another end. You can get:

- USB to serial
- USB to parallel (printers only)
- USB to SCSI
- USB to keyboard and mouse
- USB to Ethernet
- USB to video and/or TV
- USB to USB – a direct connect cable for networking two computers.

Some of the computers sold today do not have serial, parallel, keyboard or mouse connectors on the back, and they no longer have a floppy controller built into the motherboard. Everything, including a floppy drive, must be plugged into the USB port. Those computers usually have four or even more USB connectors, to take over the job of the older ports.

My personal use for USB is largely with those incredibly useful "keychain drives" or "flash drives", little baubles you plug into a USB port to send data to or from the PC. I purchased one (19May06) from Office Depot for $39.99, minus a $10 mail-in rebate, making my cost under $30, not counting tax or postage for the rebate. It holds 1 gigabyte of data! It comes with a lanyard, and I wore it around my neck at Field Day this year, backing up the logging data from time to time at the Ozaukee Radio Club's FD site. Plus, it already contains all the logging software needed for our five networked logging stations. Maybe I will put Windows 2000 Professional on it, too! Amazing! Happy computing!

WISCONSIN SECTION MANAGER REPORT

WISCONSIN: SM: Don Michalski, W9IXG, SEC: KB9ENO, STM: K9LGU, SGL: AD9X, OOC: N9VE, PIC: KB9NUM, TC: K9GDF, BM: WB9NRK, ACC: N9LVS ASM: K9UTQ, W9DGI, N9VE.

** With regret, I am notifying you of the passing of this Amateur:

-- George Toppe, W9QFL, 96. George was an amateur since 1927 and a member of Rock River Radio Club.

** Field Day is approaching! We are looking forward to receiving your messages. Remember, a formal NTS message sent to me or SEC, KB9ENO, is good for 100 points! Also, if you wish to have a pdf or jpg copy of the Governor's Proclamation designating Field Day weekend as Amateur Radio Operator Recognition Days, let me know which format you want. I recommend every club put it on public display at your FD site. Requests must be made before June 17. FD rules can be found on this site: http://www.arrl.org/contests/forms/06-fd-Rules.pdf

** KIDS DAY... The next ARRL Kid's Day event is June 17th. Kid's Day is intended to encourage young people (licensed or not) to enjoy Amateur Radio. It can give young people hands-on on-the-air experience so they might develop an interest in pursuing a license in the future. It is intended to give hams a chance to share their station with their children. The hours are 1800 to 2400Z. The suggested exchange is: Name, age, location and favorite color. You are encouraged to work the same station again if an operator has changed. Call "CQ Kid's Day." Suggested Frequencies are 28350 to 28400 kHz, 21380 to 21400, 14270 to 14300 kHz and 2-meter repeater frequencies with permission from your area repeater sponsor. Observe third party traffic restrictions when making DX QSOs. Full rules available at this site: http://www.arrl.org/FandES/ead/kd-rules.html

** Our thanks to all the Wisconsin Amateurs who participated in the 2006 Great Midwest Relay foot race from Madison to Chicago by way of Milwaukee. A special thanks to the all the organizations who were contacted and gave permission to use their repeaters. It was appreciated. The voice and Winlink digital traffic was invaluable. The feedback from the participants was positive and grateful for the safety net provided to them.

** The West Allis Radio Amateur Club held The Radio Merit Badge class on Saturday, May 13th, was a big success. Twenty-three Scouts attended the class and all of them passed the test. Thanks to Tom, K9BTQ, Lynn, K9KR, Dick, W9JBE, Phil, W9NAW, Ron, KA9JCP, and Tom, WI9TOM for making this event happen. And a special thank you to Gerry Kendzior, W9AR, who brought up this opportunity and did most of the organizing.

** Next month, I hope to have the results of the WIQP for you! 73, Don, W9IXG

ARRL Wisconsin Section
Section Manager: Donald E. Michalski, W9IXG@arrl.org

Check us out on the web at Http://www.bsss.org

W4C Special Event:

Myron Oestreich (KB9STB) on July 26, 2006

The Southern Lincoln County Area Amateur Radio Association is participating in its first official club activity-a special event amateur radio station to promote the American Cancer Society's "Relay for Life" in Merrill, Wisconsin on August 11 and 12. This yearly event is a fund raiser for the Cancer Society and features teams of walkers taking turns walking for 18 consecutive hours to raise money for the organization to help fight the battle against Cancer.

The SLCAARA obtained the special call-sign of W4C, or "Walking 4 Cancer" to use for this event. Operators from around the North American continent and internationally will have the opportunity to contact this special event station and spend time on the airwaves spreading goodwill and awareness about cancer.

The SLCAARA has simple goals as a fledgling organization: to promote goodwill and friendship through amateur radio, to assist the community and Lincoln County Emergency Management as needed, to be a valuable resource to the community in times of emergency and to promote the amateur radio hobby/service through educational opportunities in the community.

Everyone is welcome to stop out and visit the W4C special event station at the Lincoln County Fairgrounds. Operation will begin at about 4:00 p.m. local time on August 11. The walk starts at 6:00 p.m. and goes until noon August 12. The special event station will end its operation about one hour after the walk ends.

Frequencies are +/- qrm: 7.250, 14.250, 3.950, 21.350, 28.410, 145.190 (-) (no pl), and the W9GLG EchoLink node #198118. QSL via KB9STB. Info current in all databases. Email for ? kc9jvf@wasuaupc.com

From the Editor/Publisher.

This issue is a bit later than scheduled. We have had some problems getting everything done.

We had a lightning strike last month about the time we were ready to get going on starting to put this issue together. (Does a good job of waking one up at 2:00 a.m.) There was over $5000.00 damage the our computers, printers, scanners and ham radio equipment and other electronic appliances around the house. Some of the damage has been repaired and further repairs being scheduled. Fortunately no data was lost, it is a good time to redo the shack with new cabling and equipment arrangements.

This setback combined with a busy personal schedule the past two weeks has resulted in the delay. We hope that everything will now be back on schedule.

If you have any thing that you would like to have in the October issue of BSSS, get it to me as soon as possible as we will be starting work on it as soon as this issue is completed and in the mail. The scheduled date for sending the October issue to the printer will be around September 17.

A few items from our dwindling supply of fillers.

Matter cannot be created or destroyed, nor can it be returned without a receipt.

I got this powdered water -- now I don't know what to add.
- Steven Wright

Dr. Jekyll had something to Hyde.

Technology is dominated by two types of people: those who understand what they do not manage, and those who manage what they do not understand.
- Putt's

If you explain so clearly that nobody can misunderstand, somebody will.

Found attached to an e-mail:
No trees were killed in the sending of this message. However, a large number of electrons were terribly inconvenienced.

Elephant, n.:
A mouse built to government specifications.

Check us out on the web at http://www.bsss.org

ARES Leadership and Organizational Changes

By Bill Niemuth, KB9ENO, SEC WI

I am happy to report we have found a replacement for **Greg Hammerel, W9GDH**, as Barron County EC!

Craig Nicholson, KW9R, has been appointed to the position. Craig has systems engineering experience and has completed EmComm Levels I and II. Please welcome Craig when you hear him!

After 13 years without an EC and an ARES/RACES organization, I am pleased to announce the appointment of **Dennis Schmidt, KC9HMB**, as the Langlade County EC. Dennis has been in emergency response most of his career and is looking forward to the challenge of getting a dormant county moving again.

He has even already made some contacts in Forest County, which is also EC-less. Hopefully, Dennis can start a groundswell of activity in some counties where we have not had active groups as of late. Welcome Dennis!

WISCONSIN SECTION STATION ACTIVITY

(Continued from page 4)

KE9VU	0	28	17	1	46
W9KKM	0	0	38	0	38
KN9P	0	16	16	0	32
W9UW	0	21	8	2	31
K9GU	0	0	31	0	31
WB9ICH	0	29	2	0	31
K9JPS	0	0	27	0	27
KG9B	0	0	23	0	23
AA9BB	0	0	22	0	22
W9RSX	0	3	16	1	20
KB9ROB	0	12	4	2	18
KA9BHK	0	1	11	1	13
W9RTP	6	3	2	1	12
N9NNN	0	11	0	0	11
WD9FLJ	2	3	2	3	10
W9PVD	0	1	1	1	3
K9UTQ	0	0	3	0	3

P S H R SUMMARY
May 2006

CALL	1	2	3	4	5	6	T
KB9KEG	40	40	20	240	0	10	350
K9LGU	40	40	30	5	15	0	130
K9FHI	40	40	30	0	0	10	120
WZ9I	40	40	10	30	0	0	120
AG9G	40	40	10	25	0	0	115
W9BHL	40	40	30	0	0	0	110
W9RTP	40	34	10	0	0	0	84
WD9FLJ	40	16	10	10	0	0	76
W9RSX	40	21	10	0	0	0	71
K9JPS	23	23	10	0	0	0	56

P S H R SUMMARY
June 2006

CALL	1	2	3	4	5	6	T
KB9KEG	40	40	20	315	0	10	425
K9LGU	40	40	30	20	10	0	140
AG9G	40	40	10	25	0	0	115
W9BHL	40	40	30	5	0	0	115
K9FHI	40	40	10	5	0	0	95
WZ9I	40	40	10	5	0	0	95
W9RSX	40	20	10	0	0	0	70
W9RTP	40	12	10	0	0	0	62
K9JPS	23	23	10	0	0	0	56

(Continued from page 3)
to attend! Next Meeting: Sept 4th, 2004 at 8:00 AM. So Please plan to attend!!!!! http://home.centurytel.net/NorthlandARC/.

Stevens Point
CWRA Ltd./UWSP ARC Meetings second Wednesday. of each month at 7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: jglas776@uwsp.edu. Webpage: www.qsl.net/wb9qfw.

Superior
ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R. WISCONSIN ASSOCIATION OF REPEATERS
Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State in March, July and November. Check the WAR web page for meeting announcements and repeater coordination info. Information: http://www.wi-repeaters.org.

Watertown
WATERTOWN AMATEUR RADIO CLUB Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca
WAUPACA AMATEUR RADIO CLUB CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

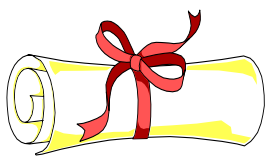
Wausau
WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). http://home.dwave.net/~wvra/.

West Allis
West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. www.warac.org.

West Bend
WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids
WISCONSIN RAPIDS AMATEUR RADIO CLUB Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

The Test Point



Amateur Radio Examination Locations and Schedules in the Area

August 05, 2006.	St. Paul, MN
August 10, 2006	Apple Valley, MN
August 12. 2006	Blaine, MN
August 12, 2006	Oshkosh (Omro), WI
August 15, 2006	Eden Prairie, MN
August 17, 2006	Iron River, MI
August 19, 2006	Rockford, IL
August 19, 2006	Cottage Grove, MN
August 26, 2006	Bloomington, MN
August 26, 2006	Tomahawk, WI
September 02, 2006	Raine, WI
September 02, 2006	St. Paul, MN
September 09, 2006	Blaine, MN
September 09. 2006	Oshkosh (Omro), WI
September 12, 2006	Eden Prairie, MN
September 14, 2006	Apple Valley, MN
September 16, 2006	Rockford, IL
September 16, 2006	Cottage Grove, MN
September 21, 2006	Iron River, MI
September 23, 2006	Bloomington, MN
September 30, 2006	Milwaukee, WI (MRAC)
September 30, 2006	Tomahawk, WI
October 07, 2006	St. Paul, MN
October 12, 2006	Apple Valley, MN
October 14, 2006	Blaine, MN
October 14, 2006	Oshkosh (Omro), WI
October 17, 2006	Eden Prairie, MN
October 19, 2006	Iron River, MI
October 21, 2006	Portage, WI
October 21. 2006	Rockford, IL
October 21, 2006	Cottage Grove, MN
October 28, 2006	Bloomington, MN
October 28, 2006	Milwaukee, WI (MRAC)
October 28, 2006	Tomahawk, WI
November 04, 2006	Racine, WI
November 04, 2006	St. Paul, MN
November 09, 2006	Apple Valley, MN
November 11, 2006	Blaine, MN
November 11, 2006	Oshkosh (Omro), WI
November 16, 2006	Iron River, MI
November 18, 2006	Rockford, IL
November 18, 2006	Cottage Grove, MN
November 21, 2006	Eden Prairie, MN
November 25, 2006	Bloomington, MN
November 25, 2006.	Milwaukee, WI (MRAC)
December 02, 2006	Racine, WI
December 02, 2006	St. Paul, MN
December 09, 2006	Blaine, MN
December 09, 2006	Oshkosh (Omro), WI
December 14, 2006	Apple Valley, MN
December 16, 2006	Rockford, IL
December 16, 2006	Cottage Grove, MN
December 19, 2006	Eden Prairie, MN
December 21, 2006	Iron River, MI
December 30, 2006	Bloomington, MN
October 07, 2007	Racine, WI
Monthly, 1st Sat. (except Jan., Jul., & Aug.)	Racine, WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Thu.	Iron River, MI
Monthly, 3rd Sat.	Rockford, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat. (Except Mar., Jun., Aug., & Dec.)	Milwaukee, WI (MRAC)
Monthly, Last Sat. (January thru October only)	Tomahawk, WI

GENERAL RULES FOR MOST EXAMINATIONS: Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A Hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Get your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

http://www.fcc.gov/formpage.html
or
ftp://ftp.fcc.gov/pub/Forms/Form605.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2005 test fee at $14.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

http://www.arrl.org/arrlvec/examsearch.phtml

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

Adams, WI
Adams City Fire Dept., 101 N. Main St., Highway 13, Adams, WI. Contact Edward J. Wagner (608) 584-4858. ab9fn@arrl.net

Appleton, WI
Fox Cities ARC (ARRL/VEC) All regular test sessions are held at the American Red Cross Building, 1302 East Wisconsin Ave. in Appleton. Testing starting at 8 a.m. No walkins after 9 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: w9mdp@arrl.net.

Eau Claire, WI
Eau Claire Amateur Radio Club. Grace Lutheran Church, 202 W., Grand Ave. Enter off 2nd Avenue entrance, Eau Claire, WI
Technician, General and Extra Class exams. Walkins welcome. Examination session coordinator: Jonathan E., Case, (715) 834-1540. www.ecarc.org. w9eau@ecarc.org.

Fond du Lac, WI
Fond du Lac ARC (ARRL/VEC). Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac. 9:00 a.m. Walk-ins allowed. Contact: Douglas J. Schultz, 920-922-3088, schultz74@charter.net.

Houghton MI: Sponsor: HARC/CCRAA. Time: 8:30 AM (Walk-ins allowed). Contact: George R Thurner home phone, (906)337-2542, cell phone (906) 369-2542 Email: W8FWG@ARRL.NET VEC: ARRL/VEC Location: Michigan Tech University-US Hwy 41. Wadsworth Residence Hall, East End of Campus, G04w (Downstairs/Turn Left), Houghton, MI 49931

Iron Mountain, MI 49801: Sponsor: W5YI VEC. Time: 9:00 AM (Walk-Ins Allowed). Contact: Mark J Lewis, (906)337-2542 . VEC: W5YI VEC. Location: Dickinson County Library, 401 South Iron Mountain St., Arrival Time: 9:00 AM. Conference Room, Iron Mountain, MI 49801

Iron River, MI. Sponsor: Iron Range ARA (IRARC). Time: 6:30 PM (No walk-ins). Contact: Dan R Waters, (906)265-4240. Email: dmwaters@ironriver.tv VEC: W5YI VEC. Location: Iron River Lutheran Church, Across From Mcdonald's. Pre-Registration Required. If no applicants - No testing. Iron River, MI 49935

Madison, WI
The Madison Wisconsin, Four Lakes Amateur Radio Club sponsored VE testing has moved to the new University of Wisconsin Space Place, 2300 South Park Street, lower

(Continued on page 8)

THE TEST POINT

(Continued from page 7)

level, Madison, WI in the Villager shopping center complex. Exams are given the first Saturday of the month. Holidays included. Doors open at 8:00 AM, and we hope to have all exams completed and graded by 10:00 AM.

Please bring a picture ID, your original license, a copy of your license, and the original and a copy of any relevant CSCEs, and a check for $12.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m. Questions may be directed to Tim Czerwonka, WO9U, at 608-239-3696 (home phone) or sent to wo9u@arrl.net.

Marshfield, WI

Sponsored by the Marshfield Area ARS. Saint Joseph's Hospital, 611 Saint Joseph Ave., Room 124, Hospice South Bldg., Marshfield, WI 54449. Contact Lee A. Olson, (715) 389-8888.

Mauston, WI (ARRL/VEC)

Sponsored by the Juneau County ARC. 9:30 a.m. (Walk-ins allowed). Mauston City Hall, 303 Mansion St., Community Room, 4th Floor, Mauston, WI. Contact Edward J. Wagner, (608) 584-4858. ab9fn@arrl.net

Menominee, MI

Marinette-Menominee Amateur Radio Club. Location: The cafeteria of Bay Area Med Center, US-41 in Menominee. Building located next to KFC just off the Interstate Bridge. All classes given. Advance notice preferred, but not required. Test fee is $10 with two pieces of identification required. Contact Jeff Rymer, N9PQU at jrymer@eznet.com or Ed Engleman, KG8CX, at dxer@cybrzn.com. We will monitor the 147.000 (107.2 pl) repeater in event further directions or info is needed.

Milwaukee, WI

Milwaukee Radio Amateurs' Club (MRAC VEC) Last Saturday, except in March, June, August, and December. In addition, we test at the West Allis RAC Swapfest in January and at Superfest in April. 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797-MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is $8.00 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, P.O. Box 070695, Milwaukee, WI 53207. Contact: John G. Kraak, 262-797-6722.

Negaunee, MI. Sponsor: HIAWATHA ARC. Time: 8:00 AM (Walk-ins allowed). Contact: Richard E Schwenke, (906)249-3837, Email: n8gba@chartermi.net VEC: ARRL/VEC. Location: Health Dept Bldg (Downstairs), 184 US 41 E, Entrance @ Back of building. Negaunee, MI 49866

Onalaska, WI

Sponsor: Riverland ARC, Time: 9:00 AM (Walk-ins allowed), Contact: Roger C. Reader, (608)783-0723. Email: readers@centurytel.net. VEC: ARRL/VEC. Location: Onalaska Public Library. 741 Oak Ave S. Onalaska, WI 54650

Oshkosh, WI (Omro)

Oshkosh VE Team Amateur Radio exams monthly on the second Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon. Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is $6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail: lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

Portage, WI

ARRL/VEC Amateur testing on Oct. 21st 2006. Testing will begin at 10:30 AM at the Portage Public Library 253 w. Edgewater St. Portage, WI. For more information contact Brian Smith, KG9OG at 608-742-4562 or Ed Wagner, AB9FN at ab9fn@yahoo.com. Walk-ins are welcome.

Racine, WI

ARRL VEC Monthly - first Saturday,

(Continued on page 11)

BADGER STATE SMOKE SIGNALS CD ROM—NOW AVAILABLE

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Please do NOT send cash.

(Continued from page 1)
thunderstorm that went thru. Jacob, W9BLI (Luxemburg, WI) thought the bands were not in very good shape possibly due to the storm. Doug, W9WI (TN) said "too much QRN, "as did Larry, K0LWV (MO) who put it this way "QRN rough from storms." I know in Waterford, where I live (SE WI), it was 38 and sunny at 10 AM, during WIQP there was heavy static, and when WIQP ended at 7 PM and I checked the radar, I saw lots of red and yellow blotches denoting heavy weather moving thru, with its included high static levels, so I know WX played a part in 2006 WIQP.

EXCITING YEAR

This year we had two new single operators who never won WIQP before, find the formula to put themselves in the best single operators winners seat, the highest level possible, and of course, earn a nice plaque for each of them, which I am sure they will display proudly.

HIGH LEVEL OF ACTIVITY

We received 240 logs this year, which while not a record, is just 8 logs less than our all time high. 125 of those were electronic. We had all 72 Wisconsin counties, all 50 states and 11 of our Canadian Provinces show up in the logs (no LAB or NWT were found). When I started entering the data from the logs into our database, I was rather surprised. After just six logs entered, I had already seen 67 of 72 WI counties, and 32 states. After log number 18, I had 72 counties and 48 states. By log 58 I had all 50 states. Only N9KI, the Bay Area Wireless multi- multi station, worked all 50 states - and they had 68 counties, the highest number for any station. From out-of-state, K9EU (IL) managed to work 65 counties. I found 46 mobile/portable callsigns in the electronic logs, of which 38 submitted entries. We had 14 Minnesota Wireless Association members participate in WIQP, five of them operating mobile from within Wisconsin. Collectively, the 14 scored 547,413 points, all on our behalf, which put 3256 total Qs in others logs, 2776 CW and 480 phone. I sure thank them for that effort. I also need to mention W9YV, who operated as a multi-multi fixed station, but somehow managed to forget to send their entry in until the last week in May. As a check log, they did a bang up job, with 363 CW Qs, 350 phone Qs, and 101 multipliers for a final score of 163,014, certainly one of the best check logs I have seen in my 20 years of doing the WIQP data. I want to thank them for their efforts on our behalf also.

Mobile activity was good too. We had 36 WI mobiles enter, 27 as single operator (8 of those were Single Operator Technicians that operated mobile), 5 as multi op and 4 as multi- multi op. Collectively they put 1,189,337 points in other participant's logs, consisting of 8,196 total Qs - 5,274 CW and 2,922 on phone. Eldon, W1END (NH) commented "thanks to the mobiles, things went by fast." Joel, NA4K (TN) said our " good showing from the mobiles made this fun. " Don, W0EAR (portable WI) said "thanks to the mobiles, as I worked some of them several times in different counties." Pete, K2PS (NJ) worked mobiles N0IJ for 14 Qs, NN9K for 12 Qs, W9HB for 11 Qs, W9MSE for 10 Qs, W0ZQ for 10 Qs, NE9U for 9 Qs, N9NE for 9 Qs, N0UR for 8 Qs, AF9T for 8 Qs and WI9WI for 5 Qs.

This year our 240 entries consisted of 145 from within Wisconsin and 95 outside. We had 3 Canadian Provinces enter, and DX entries from Bulgaria, Italy, the Netherlands and Portugal. Within Wisconsin we had 88 entries in our Single Operator Fixed category, 19 in the Single Operator Mobile category, 15 in the Single Operator Technician category, 11 in the Multi Operator Fixed category, 5 in the Multi Operator Mobile category, 2 in the Multi Operator Multi Transmitter Fixed category, 4 in the Multi Operator Multi Transmitter Mobile category, and 1 in the Multi Operator Technician category. No entries were received for the Single Operator Novice category. Out-of-state we had entries from 32 states. In our Single Operator WI top ten scores, we found 5 fixed entries and 5 mobile entries - first was N0IJ mobile (who came from Duluth), second was W0EAR fixed portable (who came from MN to operate from Burnett County), third was WA9TZE fixed, fourth was W9XT fixed, fifth was N9NE mobile, sixth was KB9OWD fixed, seventh was NN9K mobile (who came from Colona IL), eighth was W9MSE mobile, ninth was N0UR mobile (who came from NW of the twin cities in MN) and tenth was W9LO. Certainly high fixed and mobile activity was a part in 2006 WIQP.

LOWER SCORES - NO NEW RECORDS

Perhaps it is because we are in the near or at the bottom of the sun spot cycle, or perhaps due to the weather this year, some other item, or a combination of items, upon reviewing this years scores against past years, I definitely see lower scores. As a result, there were no new records set in our standing records list.

ELECTRONIC LOGS

(Continued on page 10)

Tenth Annual!

CIRCUS CITY SWAPFEST

Sponsored by:
Yellow Thunder Amateur Radio Club, Inc.

Ham Radio, Computer & Electronics Extravaganza!

SATURDAY, AUGUST 12, 2006

7:00AM UNTIL NOON

Sauk County Fairgrounds - Baraboo, Wisconsin

Vendors * Tail-Gate Area

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From I-90/94: Take exit 106 (Hwy. 33) west to Baraboo.
From Hwy. 12: Take Hwy. 33 east at the Kwik-Trip in West Baraboo.

For more information contact: Steve, N9UDO at (608) 356-2313 or n9udo@yahoo.com
Bill, N9KXX at (608) 643-6908 days, (608) 643-6453 evenings.

Visit us on the Internet: www.yellowthunder.org

For Advance Tickets, Send Check With A Self Addressed Stamped Business-Sized Envelope to:
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Contact Person:_____ Call Sign:_____

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City:_____ State:_____ Zip:_____

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No. Of Tables:____ X $5.00=_____ Total Amount Enclosed=_____

(one complementary admission ticket with the purchase of each table - ADVANCE SALES ONLY)

(Continued from page 1)

In the Oregon Section, ARRL members elected a new SM in a three-way race that included the current SM. Bonnie Altus, AB7ZQ, topped the field with 398 votes. She'll succeed incumbent SM Randy Stimson, KZ7T, who got 346 votes. A third candidate, Kevin Hunt, WA7VTD, picked up 315 votes. Licensed since 1997, Altus has been active in ARES and the National Traffic System. She lives in Sheridan.

In the Santa Clara Valley Section, ARRL members chose challenger Bill Dale, N2RHV, over incumbent Kit Blanke, WA6PWW. The tally was 353 to 302. Dale, who lives in Milpitas, has been an Amateur Radio operator since 1993 and is active in emergency communication, having served as the ARES Emergency Coordinator and RACES Radio Officer for Milpitas.

Incumbent SMs in four other ARRL sections faced no opposition this election cycle and were declared elected for new terms: Jim Sellers, K9ZBM, Indiana; Bill Woodhead, N1KAT, Maine; Paul Gayet, AA1SU, Vermont, and **Don Michalski, W9IXG, Wisconsin.**

Two-year terms for all successful candidates begin on July 1.

BSSS note: Congratulations Don.

THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association
Joel Papke, N9BQM, Treasurer
7968 Ubinger Road, Pittsville, WI 54466-9214

Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@tds.net

No news from WAPR this issue. Watch for more next month.

2006 WISCONSIN QSO PARTY

(Continued from page 9)

We did have some problems this year. First, we had an email log submission address problem. We changed our email address this year. We did not follow thru and change the "other address" we have as part of the electronic log submission information on our website. As a result, when people tried to submit to the "other address," they were rejected. We apologize for that error. Second, we got a number of entries without complete information on them, such as no address included, no log included with the entry (just a summary sheet), multiple operator entries without all the names and callsigns included, power level unknown, etc. We find that interesting. We think that tells us we need to do a better job with the information we have on our website for log submission. We are going to do a complete rewrite of that information, to make it easier to understand. That should help a lot, not only with information missing, but also with the total information we need to process logs. Third, we continue to find a wide variation on the format that electronic logs use. It would be nice if all the logging programs were similar, so we do not have to spend so much time trying to get our computer to import the logs. We would hope that we can fix that too. Fourth, dupes. We find a lot of logs contain dupes. While we understand that the big contest sponsors allow that, perhaps because they have contest scoring software, it causes us a lot of time spent eliminating those dupes. Perhaps we could ask that entries be gone over before being submitted to eliminate those dupes ? Fifth. We got a lot of repeat emails this year asking if a log had been received. It would sure be nice if we could find a sort of contest robot, like other big contest sponsors have. Any suggestions?

Lastly, we continue to do beta testing on electronic entries. This year we think we got a good number of better logs than in past years, allowing for the comments above. It is so nice to be able to receive the email, separate off the header leaving just the log, then save the log as a text file, import that text file into our spreadsheet and process the log. That way we can verify the claimed score versus what we actually find in the log, including all the associated data we need for our results information on our website each year. To that end, we are going to try and expand the information that we hope gets included in our "header" included with the log. If we can get that in place, with all the information we need for a complete entry included in the header, it is possible that we can eliminate the dupe sheet. Perhaps that will lead to eliminating the need for a summary sheet too.

RESULTS

For the fourth time in a row, a single operator mobile station, using CW only, won the 2006 WIQP WI plaque, and also for the fourth time in a row, the same club won our WI Club Competition plaque. We had 27 clubs enter this year.

The 2006 plaque for the highest scoring Single Operator in Wisconsin goes to all CW entry John Baumgarten, N0IJ, from Duluth, MN. John's mobile traveled through 17 Wisconsin counties, doing 581 total Qs, with 65 multipliers and 8,000 bonus points, for a total of 121,295 points. He contacted 28 counties, 35 states and 2 Provinces in his journey. John has never won, although he has been a participant for many years. John is a member of the Minnesota Wireless Association radio group. Enjoy your plaque John, you earned it.

The 2006 plaque for the Wisconsin Club Competition goes to Fond du Lac Amateur Radio Club. If there is a word like fourpeat, it belongs to them. They had 19 stations enter this year, producing a total point value of 466,739 points. Congratulations to all of you who are members of FDARC.

The 2006 plaque for the highest scoring Single Operator outside of Wisconsin goes to Pete Stafford, K2PS, who lives in NJ. This is Pete's first win in WIQP to the best of my knowledge. Pete did 166 CW Qs and 21 phone Qs with 58 WI counties, for his 30,711 total point win. Congratulations Pete.

The Single Operator Fixed category, our most popular, was won by Don Strom, W0EAR, who traveled from Shoreview, MN, to Burnett County in Wisconsin to operate. Don made 221 CW Qs and 291 phone Qs with 40 counties, 48 states and 4 Canadian Provinces, a total of 100 multipliers. His final score totals 110,450 points. Congratulations Don.

The Single Operator Technician category produced a surprise this year. We had TWO stations with the exact same score. Brian Long, KB9LRD, did 209 phone Qs with 16 counties, and one state, for a total score of 10329.5, traveling thru 10 counties. Adam Sprangers, KC9EKV, did the exact same thing, except he traveled thru 11 counties. Since they have equal scores, we will award a dual first/second place certificate to each of them. Congratulations to Brian and Adam.

The Multi Operator Fixed category was won by N9BC. They had 294 phone Qs, 69 CW Qs, with 40 counties, 44 states and 6 Canadian Provinces, for a total score of 38,880 points. Congratulations to Brent Crier, N9BC, and Gregg Seidl, K9KL.

The Multi Operator Mobile category was won by NE9U. They did a 16 county trip, making 544 CW Qs and 25 phone Qs. Their 23 county, 37 state and 2 Canadian Provinces produced a total score of 111,509. Congratulations to Scott Jasper, NE9U, and Allan Schlaugat, N9ISN.

The Multi Operator Technician category was won by K9AIH. They did 50 phone Qs with 9 counties and 2 states for a total of 825 points. Congratulations to Darrell Schreiner, K9AIH, and Christian Lantz, W9CDL.

The Multi Operator Multi Transmitter Fixed category winning entry was from the Bay Area Wireless Association, using their N9KI callsign. Their 7 operators made 448 CW Qs and 683 phone Qs with 68 counties, 50 states and 5 Canadian Provinces. Total score was 291,325.5 points. Congratulations to Tom Hellem, K0SN, James Mans, AA9PB, Dwight Bosselman, W9YQ, David Cunningham, NS9R, Jeffrey Reymer, KE9S, James Callow, K8IR, and Paul Sorensen, KC8YZB.

The Multi Operator Multi Transmitter Mobile category was won by W9HB, who traveled to Wisconsin from Elgin, IL. Their 558 CW Qs and 8 phone Qs, while traveling thru 17 counties, contacting 31 counties, 35 states and 2 Canadian Provinces, produced a score of 123,148 points. Congratulations to Harold Burt, W9HB, and Roger Scott, KF9D. 2007 WIQP

We continue to wait for the FCC to make their move with the amateur radio licensing structure. When that happens, WIQP will look at their new structure and react accordingly. Watch for possible changes. We will try to get the word out as soon as we can after those changes.

THANKS

Many, many, many times over the past 20 years, I have said that without all the people who participate in WIQP each year, there would be no WIQP. This year is no exception. Whatever we are doing right is a testament to all of you helping us make WIQP better each year. West Allis RAC continues to stand proud, in this our 27th year of sponsorship of WIQP. We are thankful for all the logs we get each year, as well as the multitude of callsigns we see in the logs each year, many of whom do not send entries to us. We think WIQP is best QSO party going. We know you agree. Seven short hours of fun, excitement and contesting.

Again, thank you all for helping.
See you March 11, 2007.
Lynn Tamblyn, K9KR
Chairman WIQP for WARAC

To find out how you did, see:
http://www.warac.org/wqp/2006/06results.pdf

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)
Club net: Sundays 8:00 p.m. on 147.315
Robert Loomis, KB9VSQ, Secretary
108 Scarlet Ct.., Reedsburg, WI 53959
YTARC Home Page: http://www.qsl.net/ytarc/

Meeting minutes of the Yellow Thunder Amateur Radio Club, Tuesday, May 2, 2006.

Meeting opened at 7:50pm by Club President Steve, N9UDO. Secretary's report was accepted as submitted by e-mail and published on the web site. Copies were also handed out at the meeting. Motion made by Tom, N9PQJ, to approve. Seconded by Bill, KC9CVD. Passed by voice vote.

Treasurer's Report: Balance is $3911.79. No outstanding bills.

Old Business: Circus Heritage Days will be on May 19, 20 and 21 at Fairgrounds in Baraboo. This will be the 20th anniversary show. It starts at 8:00 am, and we need volunteers to assist with the demonstration. Steve will be sending out the papers with our answer tonight after the meeting.

Rick, N9ROY had an ARES/RACES function at Weston High School with the Honor Society. They had their semi-annual "Accident for Prom". Don, K9JYX and Bill, N9NNN assisted with communications. The Honor Society had a fundraiser to help with donations for participating groups and as such, sent a check for $20.00 to the Yellow Thunder Amateur Radio Club. It was suggested to have YTARC deposit the check and issue ARES a check in the same amount. Motion by Bob, W9MZ and seconded by Tom, N9PQJ. Passed by voice vote.

New Business:
There were 3 teams, consisting of:
KC9CVD
W9ULK
KB9VMC/W9MZ.

The team of KB9VMC took a total of 7 miles to find both foxes.
KC9CVD found fox 1, but not 2. Took 1.1 miles.
N9ULK found fox 1, but not 2. Took 11 miles.
The winners were KB9VMC and W9MZ. Congratulations!!!

The 2 foxes were: Rick, N9ROY, using a simplex repeater using split frequencies. He placed it between 2 fences at the Baraboo Municipal pool. Steve, N9UDO was at the Lange Park on the east side of town.

Next foxhunt will be with KB9VMC and W9MZ hiding the fox.

KC9CVD will be helping with the Roxbury Run on Saturday, May 6, from 9am to 11am. This is a 5 and 10 K run. He needs some help with communications at 9 intersections. The walkers will start at 8:30am and runners start at 9:00am.

Sullivan Weather has cancelled the training on May 6. Sometime this month they will be having it in Columbia County.

Sauk County Airport is having a show on June 17th. This will be an air show, Old Tractors etc. It is being billed as Family entertainment. We might be called to assist with communications.

Saturday, May 6, there will be a test of laser communications between Owen Park and Blue Mounds Park. This is a distance of about 32 miles. It will start about 5pm. Come on out and watch.

Motion made by Bill, N9KXX, to adjourn the meeting. Seconded by Dan, KC9RH. Passed by voice vote.

Buck night winner was Cliff Johnson, N9AFA. Since he was NOT present at the meeting, next month's buck night kitty will be up to $2.00!

Respectfully submitted:
Rick, N9ROY, Secretary
Yellow Thunder Amateur Radio Club, Inc.

Members and friends in attendance:
Steve Schulze, N9UDO - Baraboo
Tom Harrison, N9PQJ - Reedsburg
Bill Klinkner, N9KXX - Sauk City
Rick Plouffe, N9ROY - Wisconsin Dells
Juanita Plouffe, N9ROY-XYL - Wisconsin Dells
Dan Tracy, KC9RH - Pardeeville
Bob Naegele, W9MZ - Richland Center
Gary Sorenson, W9ULK - Oxford
Bill Stehling, KC9CVD - Sauk City
Brad Pointon, KC9VMC - Baraboo

Check us out on the web at Http://www.bsss.org

THE TEST POINT

(Continued from page 8)

except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/.27. Inquiries and registrations should be directed to Paul B. Smedegaard, N9RGW, 929 Lathrop Ave., Racine, WI 53405-2339. Telephone: (262) 637 4750. or e-mail to smedegaa@wi.net

Rockford, IL
Northern Illinois Volunteer Examiners (W5YI VEC) Third Saturday of every month. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Held at St. Anthony Hospital, 5660 E State St., Rockford, IL. Contact: Randy Scott, W9HL, W9HL@ARRL.NET (815-877-4328).

Sheboygan, WI
Sheboygan County ARC (ARRL/VEC). Exams are held in the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. The test areas are handicap accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated. Contact: Art Pahr K9XJ, 920-876-2370. N8029 Willow Road k9xj@arrl.net Plymouth, WI 53073-2929

Tomahawk, WI
Tomahawk Repeater Association ARRL/VEC team. Last Saturday of every month January thru October. Registration at 8:30, testing at 9:00 a.m. at Sacred Heart Hospital, 401 W. Mohawk Dr., Tomahawk. Contact Diane Lodge Hamman, KA9BHK, 145.43 MHz or telephone 715 453-3908.

St. Paul, MN
Saint Paul Radio Club (SPRC) First Saturday of the month, 8:30 a.m. Test Site: St. Paul Technical College, 235 Marshall Ave., St Paul, MN. Ed Van Cleave, W0VC, (612) 636-0108. www.qsl.net/sprc/index.html.

Washington Island, WI
Contact: John W. Van Sandt, (217) 826-8821. n9yrx@hotmail.com

Wausau, WI.
Sponsor: WVRA. Time: 2:30 PM (Walk-ins allowed). Contact: Gerald L. Graebel, (715) 842-9542 Email: w9glg@arrl.net. VEC: ARRL/VEC. Location: American Legion Golf Course, 1001 Golf Club Rd, Wausau, WI 54403

Peoria Superfest 2006
September 16th and 17th

Exposition Gardens
1601 W Northmoor Road
Peoria, Illinois
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Shepard Avenue • Oak Creek, WI
(414) 762-3235 Ask for Verne
P.O. Box 102 South Milwaukee, WI 53172
e-mail ryatex@aol.com

Ozaukee Radio Club
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SEPTEMBER 9 , 2007
8 a.m. to 1 p.m. • Circle B Recreation Center
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American Legion Post 434
Shepard Avenue • Oak Creek, WI
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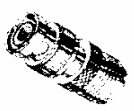
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